

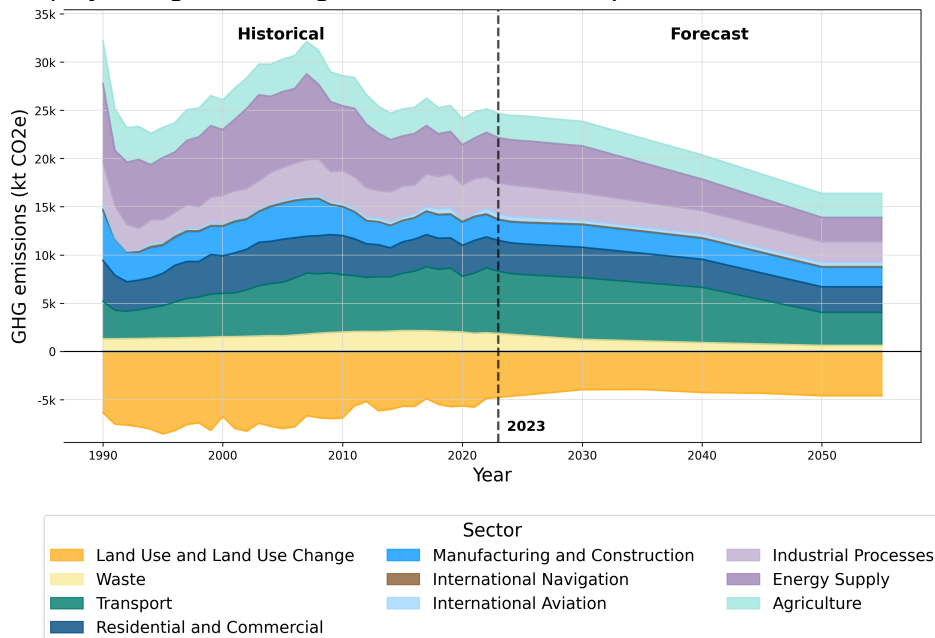


National system for policies and measures and greenhouse gas projections of Croatia

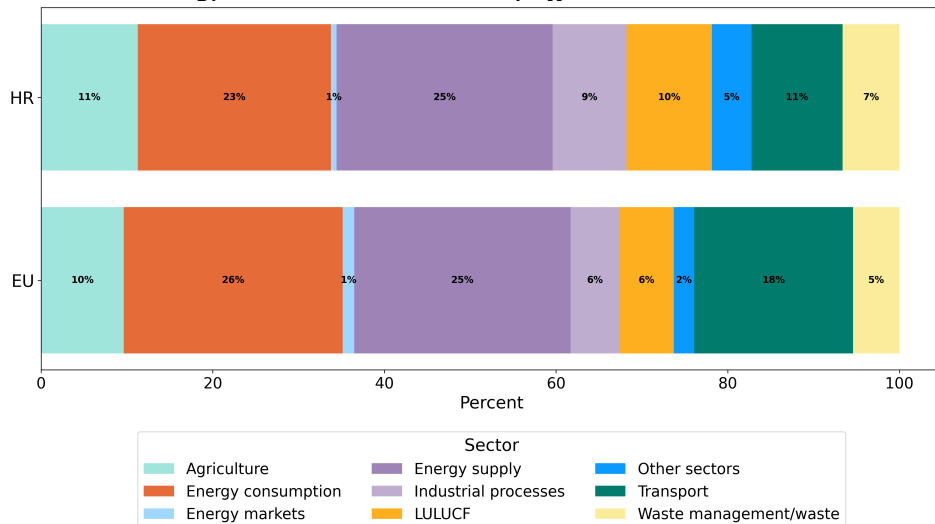
Information reported in 2025

A robust and complete national system ensures the delivery of good-quality information on the projections of anthropogenic greenhouse gas emissions by sources and removals by sinks, as well as policies and measures in place to implement National Climate and Energy Plans. The two figures provide an overview of the information submitted by Croatia in 2025, enabled by the national system, as laid out below.

Historical and projected greenhouse gas emission in Croatia by sector in 2025.



Reported climate and energy Policies and Measures by affected sector in Croatia.



Institutional and procedural robustness

Institutional arrangements

The Ministry of Environmental Protection and Green Transition, more precisely, its organisational unit - the Directorate for Climate Transition has the overall responsibility for ensuring the functioning of the national system. Also, the MEPGT, in cooperation with the Committee for intersectoral coordination for policies and measures for mitigation and adaptation to climate change (OG 9/2018) shall assess reports and inform the Institute for Environment and Nature thereof.

Institute for Environment and Nature, as part of the MEPGT (hereinafter Institute), is responsible for organising the preparation of the Inventory of greenhouse gas emissions, data collection, preparation of quality assurance and quality control plan, for selection of an authorised institution for a three-year period and to make contract with this institution. As part of this contract, the preparation of the Report on projections of greenhouse gas emissions and the Report on the implementation of policies and measures to reduce emissions and enhance sinks of greenhouse gases is also defined.

In a public tender for a three-year period Authorised Institution - Ekoneg (Energy Research and Environmental Protection Institute) was selected. The Authorised Institution is in charge of preparing the reports on the inventory of greenhouse gas emissions, reports on projections and reports on policies and measures to reduce emissions and enhance sinks of greenhouse gases. The current contract with Authorised Institution expires in 2027.

In accordance with the Act on Climate Change and Ozone Layer Protection (OG 127/2019), for monitoring and evaluation of the implementation and planning of policies and measures for mitigation and adaptation to climate change and projections in the Republic of Croatia was established the Committee for intersectoral coordination for policies and measures for mitigation and adaptation to climate change (OG 9/2018). The Committee members include representatives of relevant government bodies and other relevant organisations, agencies, science and educational institutions and non-governmental organisations. The Committee is established by Decision of the Government of the Republic of Croatia upon the proposal of the MEPGT. This Decision established composition of the Committee, tasks and functioning of the Committee. The Committee oversees the process of drafting the Report on projections of greenhouse gas emissions and Report on the implementation of policies and measures to reduce emissions and enhance sinks of greenhouse gases.

Procedural and administrative arrangements and timescales

The cycle of preparation of the Report on Policies and Measures and Report on Projections begins with the selection of the Authorised Institution which will make above-mentioned reports. When drafting the terms of reference for initiating public procurement, the Institute for Environment and Nature, which is responsible for contracting these works, defines deadlines and responsibility role for the execution of each phase.

Also, the Terms of Reference define the scope and content of the Report, i.e. their compliance with the requirements (defined in e.g. Governance Regulation and Implemented Acts).

Institute for Environment and Nature and Directorate for Green Transition as organisational units of the Ministry of Environmental Protection and Green Transition and the Committee for intersectoral coordination for policies and measures for mitigation and adaptation to climate

change have the role in the process of checking the reports for transparency, accuracy, consistency, comparability, and completeness.

To ensure consistency with Projection under Directive (EU) 2016/2284 same input parameters should be used. Also, for year reporting cycles the same experts are involved in the preparation of both reports on projections.

Also, the results of GHG projection are compared to prior projection results and non-greenhouse gas projections as well, regarding the same input data.

In April 2025, a new Act on Climate Change and Ozone Layer Protection (OG 67/2025) was adopted.

In accordance with Article 22 of the new Act, for monitoring emissions and sinks are crucial detailed and accurate data on activities, sources and sinks of emissions, which are used to prepare relevant reports, and based on which policies and mitigation measures are planned and conducted.

Also, according to Article 23 paragraph 6 of the Act, the Ministry shall establish a national system for reporting on policies and measures and for reporting on projections of anthropogenic greenhouse gas emissions by sources and removals in accordance with Article 39, paragraph 1 of Regulation 2018/1999.

Based on new Act the existing Regulation on Monitoring Greenhouse Gas Emissions, Policies and Measures will need to be amended in the coming months.

According to Article 17 of the existing Regulation on the Monitoring of Greenhouse Gas Emissions, Policies and Mitigation Measures in the Republic of Croatia (OG 5/2017), Authorised Institution (Article 16) prepares Report on Policies and Measures and Report on Projections every two years and delivers them to the Ministry (Institute for Environmental protection and Nature). Institute for Environmental protection and Nature then send these reports to the Directorate for Climate Transition by 15 February. Ministry (including Institute for Environmental Protection and Nature) together with the Committee for intersectoral coordination for policy and measures for mitigation and adaptation to climate change assess these reports. If the Committee for Policy and Measures assess that the reports have deficiencies that affect their clarity, consistency, comparability, completeness and accuracy, it will propose to the Ministry to request amendments from the Institute within an appropriate period. As needed the Committee for Policy and Measures will consider the amendments to the documents and will issue an opinion on the acceptability of the report. After that, document will be delivered to the EU

Procedures for the official consideration and approval of the Member States national system

Authorised institution under the contract prepares the draft of the document. The quality assurance/quality control procedure is performed under the Institute for Environment and Nature (MEPGT). After that, we send the draft of the documents to the Committee for comments and consideration.

Description of the information collection process

MEPGT is responsible for the overall national policy of environmental protection, including climate change and reporting on the implementation of policies and measures and on emission projections by sources and removals by sinks of greenhouse gases. It is also responsible for selection of an authorized institution for the preparation of the aforementioned reports, for a three-year period.

Authorised Institution (EKONERG - Energy Research and Environmental Protection Institute) is an institution that was selected in a public tender for a three-year period to prepare reports on the

Inventory of greenhouse gas emissions, Report on projections of greenhouse gas emissions by sources and their removals by sinks and Report on policies and measures to reduce emissions and enhance sinks of greenhouse gases.

The data collection system for the purposes of preparing all reports, including projections, is defined in Article 24 of the Act on Climate Change and Ozone Layer Protection (Official Gazette, No. 67/2025).

Namely, state administration bodies and legal entities with public authority, responsible for environmental protection, energy, economy, agriculture, forestry, water management, the sea, transport, official statistics, companies managing road and railway infrastructure, as well as the company Hrvatske šume d. o. o., Hrvatske vode and all business entities that collect and/or possess data on activities by sector that emit or remove greenhouse gases, necessary for the preparation of the reports (integrated national energy and climate progress reports, national reports according to the Convention and biennial reports on transparency, reports on policies and measures to mitigate climate change, reports on projections of greenhouse gas emissions, reports on planned measures and implementation of the Adaptation Strategy, reports on financial and technological support to developing countries, reports on the use of income from the auction sale of emissions units and the right to use units from projects and preliminary, final and approximate reports on the inventory of greenhouse gases), have the obligation to submit these data to the Ministry. Also, representative bodies of counties and large cities adopt climate change mitigation and adaptation programs, which are submitted to the MEPGT every two years.

The listed entities shall submit data for the above-mentioned reports free of charge, in accordance with the deadlines prescribed by the Regulation on monitoring greenhouse gas emissions, policy and measures for their reduction in the Republic of Croatia, in the scope and format published by the Ministry on its website in the form of an annual data collection programmes.

The data required for the preparation of the above-mentioned reports must be submitted to the Ministry by 30 September of the current year for the previous calendar year by the above-mentioned entities.

The aforementioned entities are obliged, through their representatives in the Committee for Intersectoral Coordination for the National System for Monitoring Greenhouse Gas Emissions, in the manner prescribed by the Regulation on monitoring greenhouse gas emissions, policies and measures for their reduction in the Republic of Croatia, to participate in all stages of the preparation and delivery of all the above-mentioned reports, as well as in the review of those reports, which is carried out by the Committee and the Secretariat of the Convention.

The data provided by the above-mentioned bodies are collected by the MEPGT (Institute) which then submits them to the Authorised Institution.

Prepared reports are submitted to the Committee for opinion and consideration.

The Committee makes recommendations to the Government of the Republic of Croatia on overall policies and measures for climate change mitigation and adaptation, provides political support in the implementation of policies and measures for climate change mitigation and adaptation, proposes to the Government of the Republic of Croatia the adoption of strategic planning acts, taking into account the strategic objectives of the strategies and the coherence of medium-term strategic planning acts at national, regional and local level, as well as international obligations.

It also makes proposals for policy objectives, measures and activities and monitors their effects and

outcomes in implementation and provides proposals and support in promoting interdisciplinary and synergistic objectives, measures and policy activities.

MEPGT plans to implement a project with a goal to improve the data collection process and the National system.

Description of the process for selecting assumptions, methodologies and models for making projections of anthropogenic greenhouse gas emissions

The procedure for selecting input assumptions and parameters for making projections is as follows.

The Institute for Environment and Nature and the Ministry of Environmental protection and Green Transition provide the technical basis on which the projections will be made. Previously, the technical bases were agreed with other Ministries (depending on the area of their competence). This is achieved through the work of technical experts of Committee for intersectoral coordination for policies and measures. Follow that, agreed technical basis, Institute delivers to the Authorised Institution.

Projections are made based on those input parameters. The choice of methodology, model and calculation is the responsibility of the Authorised Institution based on the expert judgment in the field of their expertise. The national characteristics for choice individual models are also taken into account.

A more detailed description of the models and methodology used is given in Chapter 4 of the Report on projections of greenhouse gas emissions by sources and removals by sinks. After calculation of the projections, quality control is performed (the report is reviewed by the Institute and the MEPGT). Before submission, Committee for intersectoral coordination for policies and measures for mitigation and adaptation to climate change gives a final opinion.

Institutional administrative and procedural arrangements for domestic implementation of EU's NDC

Measures to reduce emissions are implemented:

- through a greenhouse gas emissions trading system in accordance with EU legislation,
- by allocating annual emission allocations (quotas) that may not be exceeded in the non-ETS sector, and
- according to the rules set out in Regulation (EU) 2018/841 and its amendment Regulation (EU) 2023/839 in the LULUCF sector, Regulation (EU) 2018/842 and its amendment Regulation 2023/857, and according to Articles 27, 63 and 64 of the Act of the Climate Change and Ozone Layer Protection.

MEPGT is responsible for greenhouse gas emissions reduction in the EU ETS sector.

Fulfilment of the obligation to limit emissions up to the amount of the national annual emission allocations (quotas) is the responsibility of state administration bodies responsible for environmental protection, energy, industry, transport, construction, economy, entrepreneurship, agriculture, forestry and tourism.

For the implementation of Regulation (EU) 2018/841 and its amendment Regulation (EU) 2023/839 are responsible state administration bodies for environmental protection, agriculture and forestry, each within its scope.

The implementation document for the Low-Carbon Development Strategy of the Republic of Croatia until 2030 with a view to 2050 is the NECP – National Energy and Climate Plan.

Formality

Legal arrangements

Legal arrangements on the national system for policies and measures and projections are placed in the article 24 of the Act on Climate Change and Ozone Layer Protection (OG 127/2019). It is prescribed that state authority responsible for the environmental protection establishes National system for policies and measures and projections in accordance with article 39 paragraph 1 of the Regulation (EU) 2018/1999 on the Governance of the Energy and Climate Action.

More detail information on National system is prescribed and regulated in Chapter III of the Regulation on the Monitoring of Greenhouse Gas Emissions, Policies and Mitigation Measures in the Republic of Croatia (OG 5/2017) entitled National system for monitoring the implementation of policies and measures for reducing greenhouse gas emissions and the greenhouse gas emissions projection.

Article 12 of the above-mentioned Regulation prescribes that National system for policies, measures and projections shall be established to monitor and report on the effects of policies and measures to reduce emissions and increase greenhouse gas emissions. Also, it will be provided control and recommendations on additional measures in order to meet the obligations to reduce emissions and increase GHG in sectors not covered by the greenhouse gas emissions trading system up to the national annual quota level, reporting on emissions projections and the use of financial auctioning revenues. The same Article prescribes the obligation of establishing national system for policies, measures and projections for monitoring and reporting on the effects of policies and measures to reduce emissions and increase sinks of greenhouse gases, with special emphasis on sectors not covered by the greenhouse gas emissions trading system, reporting on emissions projections and the use of financial.

According to the article 26 paragraph 2 of the Act on Climate Change and Ozone Layer Protection, in January 2018 was adopted Decision establishing the Committee for intersectoral coordination for policies and measures for mitigation and adaptation to climate change (OG 9/2018).

The Committee for intersectoral coordination for policies and measures for climate change mitigation and adaptation was established for fast and efficient horizontal and vertical coordination with the aim of fulfilling all obligations of Croatia in the field of climate change, enabling successful and timely implementation of greenhouse gas reduction measures, as well as adaptation. The work of the Committee is carried out through the work of the members in rank of Assistant ministers/Directors of administrations and experts from various fields involved ad hoc in the work of the Committee.

The Committee is composed of Assistant ministers/Directors of administrations to provide the

necessary political support for measures to reduce greenhouse gas emissions, increase sinks, limit greenhouse gas emissions from sectors not included in EU emission trading system to the amount of the annual emission allocation and fulfil other climate obligations. Experts from various fields are involved ad hoc in the work of the Committee for the purpose of monitoring and evaluating of implementation, planning of policies and measures for climate change mitigation and adaptation and giving opinions on planning and strategic documents and draft regulations.

Alignment with other reporting frameworks

GHG inventory reporting

The legal arrangement on the national inventory system for the GHG inventory as well as the national system for policies and measures and projection is placed in Article 24 Paragraphs 5 and 7 of the Act of the Climate Change and Ozone Layer Protection (OG 127/2019). Prescribed is that state authority responsible for the environmental protection establishes National system in accordance with Article 37 Paragraph 1 and Article 39 Paragraph 1 of the Regulation (EU) 2018/1999 on the Governance of the Energy and Climate Action.

Also, taking into consideration that the obligation to prepare reports on projections, reports on policies and measures as well as reports on the National inventory of GHGs is provided under one contract concluded with the Authorised Institution for a period of three years, consistency in the use of data when preparing reports is on this way ensured.

Following the preparation of the National inventory report, it is controlled by the Committee for inter-sectoral coordination for the National Greenhouse Gas Emissions Monitoring System (Official Gazette, No. 140/2022), while other reports are controlled by the Committee for inter-sectoral coordination for policies and measures for mitigation and adaptation to climate change.

Alignment with the national system for the GHG inventory is secured in a way that same institutions and in some cases, the same people are included in the process of preparation.

The National system has been established in a harmonised way so that all reports are prepared in accordance with the instructions prescribed by the EC and so that they can be sent to the EC and the UNFCCC in accordance with the defined deadlines.

Article 17 of the Governance Regulation (EU) 2018/1999 (NECPR)

Public administration bodies and other public authorities, companies and institutions listed in Chapter 1 (name and contact information for the entities with overall responsibility for the national system for policies and measures and projections) provide data that form the basis for the development of Low carbon development strategy (LCDS), LCDS Implementation Action Plan, Integrated Energy and Climate Plan, planning of measures in the non-ETS sector, LULUCF sector and other measures that contribute to climate change mitigation (as prescribed in Article 20 of the Act on Climate Change and Ozone Layer Protection).

According to Articles 21 and 22 of the Act on Climate Change and Ozone Layer Protection it is prescribed that collected above-mentioned data are used for the preparation of the Report on the

projections, policies and measures as well as Report report on the state of implementation of the Integrated Energy and Climate Plan.

Accountability and transparency

Quality control activities

Quality assurance and control activities for reporting of policies and measure and projections on the national level are carried out by the Project coordinator from Institute for Environment and Nature (MEPGT). It is important to point out that all activities must be finalised before we send Reports for consideration to the Committee for intersectoral coordination for policies and measures for mitigation and adaptation to climate change.

Activities carried out to ensure the accuracy mostly are related to checking the input parameters and data used in the preparation of projections as well as used policies and measures.

For those activities in terms of completeness, we use a quality control tool developed through the Reportnet 3 platform.

Public participation

Stakeholder engagement

Please consider our answer regarding Committee under Chapter 3. Legal arrangements in place for preparation of reports on policies and measures and of projections.

As the need to improve the system in accordance with Article 11 of Regulation 2018/1999 has been identified in the past period, the form, composition and task of the Committee will be soon updated.

After organisational changes in the Ministry and the adoption of a new Act on Climate Change and Ozone Layer Protection, we are currently working on a draft of a new decision on the establishment of the Committee for policy and measures. The draft decision will be sent, together with the request for the appointment of members of the Committee, to state administration bodies, institutions and other stakeholders for their opinion. After that, the decision will be sent to the Government of the Republic of Croatia for adoption.

Contact information for entities with overall responsibility for National Systems

The lead entity responsible for the National System for Policies and Measures and Projections in the Republic of Croatia is the ministry responsible for environmental protection (Ministry of Environmental Protection and Green Transition, MEPGT).

Contact details:

Ministry of Environmental Protection and Green Transition, MEPGT
Radnička cesta 80
10000 Zagreb, Croatia

Directorate for Climate Transition

The National System was established in accordance with the Act on climate change and ozone layer protection (OG 127/2019) and the Regulation on monitoring of greenhouse gas emissions, policies and measures for reducing their emission in the Republic of Croatia (OG 5/2017) with the aim of: monitoring and reporting on the effects of policies and measures on emission reduction and increase of sinks, providing control and recommendations for additional measures to meet the obligation to reduce emissions and increase sinks, with special emphasis on sectors not covered by the EU emissions trading system, reporting on emission projections and using revenues from auctions. Considering that a new Act on Climate Change and Ozone Layer Protection will soon be adopted, it will be drafted new regulation with a view to improving the national system.

MEPGT is responsible for establishing the institutional and legal framework of the National System for Policies and Measures and Projections, ensures the functioning of that system, provides information and cooperates with the Commission in accordance with Regulation (EU) no. 2018/1999.

With that goal, MEPGT cooperates with the following bodies and persons: state administration bodies and other public authorities responsible for environmental protection, energy, economy, agriculture, forestry, water management, sea, transport, official statistics, companies that manage road and railway infrastructure and the companies Hrvatske šume d. o. o. and Hrvatske vode as a legal entity for water management, with the Environmental Protection and Energy Efficiency Fund and other bodies and all business entities that collect and/or have data on GHG emissions and removals by sectors, required for reporting under the UNFCCC, the Paris Agreement and other EU and international agreements.

This information must be provided to MEPGT free of charge, in accordance with the prescribed deadlines in the scope and format published by MEPGT on its website.

Above-mentioned bodies are required, through their representatives in the Committee for Intersectoral Coordination for Policies and Measures for Climate Change Mitigation and Adaptation, to participate in all phases of data preparation and submission, report review and reviews by the UNFCCC Secretariat and the European Commission.

A Committee for Intersectoral Coordination for Policies and Measures for Climate Change Mitigation and Adaptation was established to monitor and evaluate the implementation and planning of policies and measures for climate change mitigation and adaptation in the Republic of Croatia, to give opinions on reports and to participate in the review of these reports.

This Committee was established in 2018, but after the new Law and new Regulation will be adopted, the establishment of a new Committee will be initiated in accordance with the provisions of the aforementioned new regulations. It will be consisted of a Coordination Group (whose members will be in rank of Assistant ministers/Directors of administrations), a Technical Working Group on Mitigation and a Technical Working Group on Climate Change Adaptation (whose members will be technical experts in the fields of climate mitigation and adaptation). As before, experts who are not members of the Committee will be able to participate in the work of the new Committee, if necessary and upon invitation.